

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S98 2	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:47
S98 3	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S98 4	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S98 5	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S98 6	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S98 7	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S98 8	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:47
S98 9	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S99 0	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S99 1	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S99 2	11	("5,548,583" "5,648,722" "5,594,731" "5,611,050" "5,659,596" "5,684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862,404").pn.	USPAT	OR	OFF	2007/08/30 12:47
S99 3	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:47
S99 4	11	("5,920,698" "5,942,984" "6,003,074" "6,038,600" "6,061,505" "6,067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201,611").pn.	USPAT	OR	OFF	2007/08/30 12:47
S99 5	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S99 6	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S99 7	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:47
S99 8	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S99 9	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:47
S10 00	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 01	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:47
S10 02	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:47
S10 03	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:47
S10 04	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 05	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 06	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 07	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 08	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 09	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:47
S10 10	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S10 11	1	S1010 same S1009	USPAT	OR	OFF	2007/08/30 12:47
S10 12	1	S1010 same S1009	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 13	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 14	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 15	3	S1013 same S1014	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 16	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 17	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S10 18	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:47
S10 19	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 20	0	"6845091".pn. and point near4 updat\$ near6 dynamic\$	USPAT	OR	ON	2007/08/30 12:47
S10 21	0	"6845091".pn. and point near4 updat\$	USPAT	OR	ON	2007/08/30 12:47
S10 22	1	"6845091".pn. and point near12 updat\$	USPAT	OR	ON	2007/08/30 12:47
S10 23	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 24	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:47
S10 25	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 26	3	S1025 same S1024	USPAT	OR	ON	2007/08/30 12:47
S10 27	404634	network	USPAT	OR	ON	2007/08/30 12:47
S10 28	44	S1025 same S1027	USPAT	OR	ON	2007/08/30 12:47
S10 29	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 30	1	S1029 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:47
S10 31	7189	S1029 same locations	USPAT	OR	ON	2007/08/30 12:47
S10 32	358	S1029 same locations same devices	USPAT	OR	ON	2007/08/30 12:47
S10 33	20	S1032 same network	USPAT	OR	ON	2007/08/30 12:47
S10 34	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S10 35	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 36	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:47
S10 37	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:47
S10 38	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47

## EAST Search History

S10 39	0	S1036 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 40	0	S1036 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 41	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 42	12	S1036 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:47
S10 43	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:47
S10 44	61	S1043 and mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 45	8	S1043 same mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 46	3	S1043 same mapping and wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 47	0	S1043 and mapping same wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 48	23	S1043 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 49	58483	"455"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S10 50	50	S1049 and depict\$ near3 locations	USPAT	OR	OFF	2007/08/30 12:47
S10 51	239	S1049 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:47
S10 52	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:47
S10 53	4	S1051 and service near provid\$ near request\$	USPAT	OR	ON	2007/08/30 12:47
S10 54	9	S1051 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:47
S10 55	0	S1051 and service near3 provid\$ near3 request\$ and "709"/\$.ccls. and "370"/\$.ccls.	USPAT	OR	ON	2007/08/30 12:47
S10 56	123914	"455"/\$.ccls. "709"/\$.ccls. "370"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S10 57	424	S1056 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:47
S10 58	17	S1057 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:47
S10 59	1	S1057 and service near3 provid\$ near3 request\$ and reference near point	USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S10 60	0	dynamic near mapping near wireless near device	USPAT	OR	ON	2007/08/30 12:47
S10 61	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:47
S10 62	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S10 63	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:47
S10 64	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 65	49	S1064 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 66	0	dynamic near mapping with wirless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 67	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S10 68	1	S1067 and S1064	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S10 69	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:47
S10 70	45	request\$ near2 provid\$ near3 advantag\$	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S10 71	16	S1070 and (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S10 72	23	request\$ near2 provid\$ near3 advantag\$	USPAT	OR	ON	2007/08/30 12:47
S10 73	664	provid\$ near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:47
S10 74	81	provider near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:47
S10 75	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:47
S10 76	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 77	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 78	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 79	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S10 80	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 81	11	("5,548,583" "5,648,722" "5,594, 731" "5,611,050" "5,659,596" "5, 684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862, 404").pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 82	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S10 83	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S10 84	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:47
S10 85	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:47
S10 86	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S10 87	1	S1086 same S1085	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 88	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 89	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S10 90	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S10 91	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 92	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:47
S10 93	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 94	404634	network	USPAT	OR	ON	2007/08/30 12:47
S10 95	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S10 96	7189	S1095 same locations	USPAT	OR	ON	2007/08/30 12:47
S10 97	358	S1095 same locations same devices	USPAT	OR	ON	2007/08/30 12:47
S10 98	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S10 99	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S11 00	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S11 01	0	S1100 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 02	0	S1100 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 03	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:47
S11 04	61	S1103 and mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 05	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 06	49	S1105 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 07	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 08	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:47
S11 09	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:47
S11 10	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S11 11	1	S1086 same S1085	USPAT	OR	OFF	2007/08/30 12:47
S11 12	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 13	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:47
S11 14	1	S1095 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:47
S11 15	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 16	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 17	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:47
S11 18	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S11 19	11	("5,920,698" "5,942,984" "6,003, 074" "6,038,600" "6,061,505" "6, 067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201, 611").pn.	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S11 20	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S11 21	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:47
S11 22	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:47
S11 23	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S11 24	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:47
S11 25	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:47
S11 26	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:47
S11 27	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 28	3	S1088 same S1089	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 29	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:47
S11 30	3	S1093 same S1092	USPAT	OR	ON	2007/08/30 12:47
S11 31	44	S1093 same S1094	USPAT	OR	ON	2007/08/30 12:47
S11 32	20	S1097 same network	USPAT	OR	ON	2007/08/30 12:47
S11 33	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:47
S11 34	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S11 35	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 36	12	S1100 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:47
S11 37	8	S1103 same mapping	USPAT	OR	OFF	2007/08/30 12:47
S11 38	23	S1103 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S11 39	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:47
S11 40	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:47
S11 41	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S11 42	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:47
S11 43	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 44	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:47
S11 45	0	345/734.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 46	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 47	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 48	22	(dynamic\$5 and mapp\$5 and wireless).ab. and dynamic\$5 and mapp\$5 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 49	11	S1148 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 50	11	S1149 and between	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 51	1228454	I and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 52	9	S1150 and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 53	11	S1150 and reference	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 54	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 55	1408	S1154 and reference adj1 point	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 56	45	S1155 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 57	438	S1154 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S11 58	65747	request\$5 near3 service	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 59	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 60	3	S1157 and S1158 and S1159	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 61	0	S1160 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 62	17	S1157 and S1159	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 63	11	S1162 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 64	140	("3689882"   "4028662"   "4168499"   "4185265"   "4239415"   "4349823"   "4543577"   "4552456"   "4626850"   "4757450"   "4833469"   "4855915"   "5039979"   "5043736"   "5119504"   "5162997"   "5189612"   "5189619"   "5218620"   "5223844"   "5285523"   "5299132"   "5301368"   "5369588"   "5382957"   "5459667"   "5461365"   "5473538"   "5523950"   "5541590"   "5544225"   "5550551"   "5563607"   "5568390"   "5600561"   "5602739"   "5610821"   "5621793"   "5625668"   "5630206"   "5633872"   "5638078"   "5646612"   "5668880"   "5673305"   "5678182"   "5684860"   "5687215"   "5689269"   "5691724"   "5701328"   "5760713"   "5774827"   "5838237"   "5845227"   "5862509"   "5914654"   "5916300"   "5955973"   "5983158"   "5987381").PN. OR ("6252544"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S11 65	1	S1164 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S11 66	1	S1164 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:47
S11 67	36	S1164 and proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:47

## EAST Search History

S11 68	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 69	438	S1168 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 70	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 71	17	S1169 and S1170	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 72	4	S1171 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 73	4	S1171 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 74	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 75	438	S1174 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 76	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 77	17	S1175 and S1176	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 78	0	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 stor	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 79	0	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 (stor\$4 memory) near12 updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 80	4	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S11 81	0	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 82	0	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 83	4	S1177 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5 same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 84	4	S1180 and device near5 locations	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 85	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 86	438	S1185 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 87	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 88	17	S1186 and S1187	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 89	4	S1188 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 90	4	S1189 and device near5 locations and position	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 91	0	S1190 and (proximity position) near6 (provid\$5 request\$5) near12 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 92	0	S1190 and (proximity position) near33 (provid\$5 request\$5) near33 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 93	4	S1190 and (proximity position) same (provid\$5 request\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S11 94	0	S1190 and (proximity position) near60 (provid\$5 request\$5) near60 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S11 95	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 96	2267	701/201,208.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 97	49	S1196 and map\$5 near dynamic\$5	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S11 98	27	S1196 and map\$5 near dynamic\$5	USPAT	OR	OFF	2007/08/30 12:47
S11 99	7	S1198 and reference near point	USPAT	OR	OFF	2007/08/30 12:47
S12 00	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:47
S12 01	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S12 02	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:47
S12 03	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S12 04	358	S1203 same locations same devices	USPAT	OR	ON	2007/08/30 12:47
S12 05	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 06	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 07	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 08	664	provid\$ near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:47
S12 09	0	dynamic near mapping with wirless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 10	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 11	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 12	1	S1211 and S1210	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 13	45	request\$ near2 provid\$ near3 advantag\$	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S12 14	11	("5,548,583" "5,648,722" "5,594,731" "5,611,050" "5,659,596" "5,684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862,404").pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 15	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 16	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 17	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:47
S12 18	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S12 19	1	S1218 same S1217	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 20	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 21	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 22	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S12 23	0	"6845091".pn. and point near4 updat\$ near6 dynamic\$	USPAT	OR	ON	2007/08/30 12:47
S12 24	0	"6845091".pn. and point near4 updat\$	USPAT	OR	ON	2007/08/30 12:47
S12 25	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S12 26	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 27	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 28	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S12 29	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 30	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S12 31	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S12 32	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:47
S12 33	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:47
S12 34	358	S1233 same locations same devices	USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S12 35	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S12 36	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 37	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:47
S12 38	140	("3689882"   "4028662"   "4168499"   "4185265"   "4239415"   "4349823"   "4543577"   "4552456"   "4626850"   "4757450"   "4833469"   "4855915"   "5039979"   "5043736"   "5119504"   "5162997"   "5189612"   "5189619"   "5218620"   "5223844"   "5285523"   "5299132"   "5301368"   "5369588"   "5382957"   "5459667"   "5461365"   "5473538"   "5523950"   "5541590"   "5544225"   "5550551"   "5563607"   "5568390"   "5600561"   "5602739"   "5610821"   "5621793"   "5625668"   "5630206"   "5633872"   "5638078"   "5646612"   "5668880"   "5673305"   "5678182"   "5684860"   "5687215"   "5689269"   "5691724"   "5701328"   "5760713"   "5774827"   "5838237"   "5845227"   "5862509"   "5914654"   "5916300"   "5955973"   "5983158"   "5987381").PN. OR ("6252544"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S12 39	1	S1238 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S12 40	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 41	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 42	438	S1241 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 43	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 44	17	S1242 and S1243	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47

## EAST Search History

S12 45	0	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 (stor\$4 memory) near12 updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 46	404634	network	USPAT	OR	ON	2007/08/30 12:47
S12 47	0	S1202 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:47
S12 48	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:47
S12 49	61	S1248 and mapping	USPAT	OR	OFF	2007/08/30 12:47
S12 50	3	S1248 same mapping and wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 51	0	S1248 and mapping same wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 52	58483	"455"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S12 53	50	S1252 and depict\$ near3 locations	USPAT	OR	OFF	2007/08/30 12:47
S12 54	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 55	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 56	438	S1255 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 57	17	S1256 and S1254	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 58	4	S1257 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 59	4	S1258 and device near5 locations and position	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 60	0	S1259 and (proximity position) near60 (provid\$5 request\$5) near60 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:47
S12 61	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S12 62	239	S1252 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:47
S12 63	4	S1262 and service near provid\$ near request\$	USPAT	OR	ON	2007/08/30 12:47
S12 64	7189	S1203 same locations	USPAT	OR	ON	2007/08/30 12:47
S12 65	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 66	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 67	0	S1202 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S12 68	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:47
S12 69	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 70	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 71	1	S1218 same S1217	USPAT	OR	OFF	2007/08/30 12:47
S12 72	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 73	49	S1210 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 74	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 75	1	"6845091".pn. and point near12 updat\$	USPAT	OR	ON	2007/08/30 12:47
S12 76	1	S1203 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:47
S12 77	123914	"455"/\$.ccls. "709"/\$.ccls. "370"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:47
S12 78	424	S1277 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:47
S12 79	1	S1278 and service near3 provid\$ near3 request\$ and reference near point	USPAT	OR	ON	2007/08/30 12:47
S12 80	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 81	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 82	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S12 83	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 84	1	S1233 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:47
S12 85	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:47
S12 86	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:47
S12 87	1	S1285 same S1286	USPAT	OR	OFF	2007/08/30 12:47
S12 88	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 89	1	S1238 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:47
S12 90	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 91	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S12 92	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:47
S12 93	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 94	11	("5,920,698" "5,942,984" "6,003,074" "6,038,600" "6,061,505" "6,067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201,611").pn.	USPAT	OR	OFF	2007/08/30 12:47
S12 95	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 96	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:47
S12 97	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:47
S12 98	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:47
S12 99	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:47
S13 00	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:47

## EAST Search History

S13 01	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:47
S13 02	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:47
S13 03	3	S1220 same S1221	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:47
S13 04	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:47
S13 05	3	S1228 same S1232	USPAT	OR	ON	2007/08/30 12:47
S13 06	44	S1228 same S1246	USPAT	OR	ON	2007/08/30 12:47
S13 07	20	S1204 same network	USPAT	OR	ON	2007/08/30 12:47
S13 08	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:47
S13 09	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:47
S13 10	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:47
S13 11	12	S1202 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:47
S13 12	8	S1248 same mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 13	23	S1248 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 14	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:48
S13 15	9	S1262 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:48
S13 16	17	S1278 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:48
S13 17	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:48
S13 18	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S13 19	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S13 20	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:48
S13 21	16	S1213 and (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 22	23	request\$ near2 provid\$ near3 advantag\$	USPAT	OR	ON	2007/08/30 12:48
S13 23	0	S1262 and service near3 provid\$ near3 request\$ and "709"/\$.ccls. and "370"/\$.ccls.	USPAT	OR	ON	2007/08/30 12:48
S13 24	81	provider near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:48
S13 25	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 26	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:48
S13 27	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 28	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 29	11	("5,920,698" "5,942,984" "6,003, 074" "6,038,600" "6,061,505" "6, 067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201, 611").pn.	USPAT	OR	OFF	2007/08/30 12:48
S13 30	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 31	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:48
S13 32	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:48
S13 33	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 34	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:48
S13 35	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:48
S13 36	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S13 37	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 38	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 39	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 40	3	S1339 same S1338	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 41	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:48
S13 42	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S13 43	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:48
S13 44	3	S1342 same S1343	USPAT	OR	ON	2007/08/30 12:48
S13 45	404634	network	USPAT	OR	ON	2007/08/30 12:48
S13 46	44	S1342 same S1345	USPAT	OR	ON	2007/08/30 12:48
S13 47	20	S1234 same network	USPAT	OR	ON	2007/08/30 12:48
S13 48	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S13 49	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:48
S13 50	12	S1237 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:48
S13 51	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:48
S13 52	8	S1351 same mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 53	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 54	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:48
S13 55	23	S1351 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 56	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S13 57	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S13 58	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:48
S13 59	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 60	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:48
S13 61	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 62	22	(dynamic\$5 and mapp\$5 and wireless).ab. and dynamic\$5 and mapp\$5 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 63	11	S1362 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 64	11	S1363 and between	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 65	9	S1364 and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 66	11	S1364 and reference	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 67	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 68	65747	request\$5 near3 service	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 69	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 70	438	S1369 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 71	3	S1370 and S1368 and S1367	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 72	17	S1370 and S1367	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 73	11	S1372 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 74	36	S1238 and proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:48

## EAST Search History

S13 75	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 76	438	S1375 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 77	17	S1376 and S1240	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 78	4	S1377 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 79	4	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 80	4	S1379 and device near5 locations	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 81	0	dynamic near mapping near wireless near device	USPAT	OR	ON	2007/08/30 12:48
S13 82	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:48
S13 83	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 84	11	("5,548,583" "5,648,722" "5,594, 731" "5,611,050" "5,659,596" "5, 684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862, 404").pn.	USPAT	OR	OFF	2007/08/30 12:48
S13 85	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S13 86	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 87	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:48
S13 88	1	S1285 same S1286	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 89	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:48
S13 90	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 91	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S13 92	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S13 93	61	S1351 and mapping	USPAT	OR	OFF	2007/08/30 12:48
S13 94	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 95	49	S1394 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 96	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 97	1228454	I and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S13 98	0	345/734.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S13 99	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 00	0	S1371 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 01	7189	S1233 same locations	USPAT	OR	ON	2007/08/30 12:48
S14 02	0	S1237 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:48
S14 03	0	S1237 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:48
S14 04	1408	S1369 and reference adj1 point	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 05	45	S1404 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 06	4	S1377 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 07	0	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 stor	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 08	0	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S14 09	0	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 10	4	S1244 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5 same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 11	0	S1259 and (proximity position) near6 (provid\$5 request\$5) near12 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 12	0	S1259 and (proximity position) near33 (provid\$5 request\$5) near33 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 13	4	S1259 and (proximity position) same (provid\$5 request\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 14	8003	701/207-223.ccis.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 15	38	(dynamic\$5 and map\$8 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 16	4	S1414 and S1415	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 17	30187	709/223,225,226,229,239,242.ccis. or 455/446,447,456.1-457.ccis. or 342/357.01,357.13.ccis. or 701/207-223.ccis. or 340/988-995.28.ccis.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 18	16942	(provid\$5 and request\$5) near4 (service resource)	USPAT	OR	ON	2007/08/30 12:48
S14 19	2408	S1418 and S1417	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 20	2	S1416 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 21	189376	"35" and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 22	13	S1415 and (request\$5 provid\$5 transmit\$5 send sent sending)	USPAT	OR	ON	2007/08/30 12:48
S14 23	38	S1415 and (request\$5 provid\$5 transmit\$5 send sent sending)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 24	0	(provid\$5 and rquest\$5) near4 (service resource)	USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S14 25	213	S1414 and S1418	USPAT	OR	ON	2007/08/30 12:48
S14 26	3	(dynamic\$5 near12 map\$8 near12 wireless) and S1425	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 27	10	S1415 and (request\$5 provid\$5)	USPAT	OR	ON	2007/08/30 12:48
S14 28	3	(dynamic\$5 near12 map\$8 near12 wireless) and S1419	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 29	33	("5359603"   "5406550"   "5438565"   "5487065"   "5553069"   "5600633").PN. OR ("5787077").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S14 30	13	S1429 and S1418	USPAT	OR	ON	2007/08/30 12:48
S14 31	2655	(physical and logical) near12 mapp\$8	USPAT	OR	ON	2007/08/30 12:48
S14 32	0	S1431 and S1429	USPAT	OR	ON	2007/08/30 12:48
S14 33	12896	(physical logical) near12 mapp\$8	USPAT	OR	ON	2007/08/30 12:48
S14 34	0	"20030080992"	USPAT	OR	ON	2007/08/30 12:48
S14 35	1	"20030080992"	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 36	2246	(physical and logical) near6 mapp\$8	USPAT	OR	ON	2007/08/30 12:48
S14 37	214	(dynamic\$5 and map\$8 and wireless) and S1436	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 38	0	(dynamic\$5 near12 map\$8 near12 wireless) and S1436	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 39	8	S1429 and S1433	USPAT	OR	ON	2007/08/30 12:48
S14 40	44	(dynamic\$5 near3 map\$8) and S1437	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 41	44	(dynamic\$5 near3 map\$8) and S1437	USPAT	OR	ON	2007/08/30 12:48
S14 42	1245	plurality near3 devices near6 request\$5	USPAT	OR	ON	2007/08/30 12:48
S14 43	2901	plurality near3 devices near6 provid\$5	USPAT	OR	ON	2007/08/30 12:48
S14 44	62	S1442 same S1443	USPAT	OR	ON	2007/08/30 12:48
S14 45	4	(dynamic\$5 and map\$8 and wireless) and S1444	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S14 46	9	S1442 and dynamic\$5 near5 map\$8	USPAT	OR	ON	2007/08/30 12:48
S14 47	1	S1446 and S1443	USPAT	OR	ON	2007/08/30 12:48
S14 48	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 49	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:48
S14 50	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:48
S14 51	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:48
S14 52	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S14 53	358	S1452 same locations same devices	USPAT	OR	ON	2007/08/30 12:48
S14 54	404634	network	USPAT	OR	ON	2007/08/30 12:48
S14 55	1	S1452 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:48
S14 56	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:48
S14 57	11	("5,548,583" "5,648,722" "5,594, 731" "5,611,050" "5,659,596" "5, 684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862, 404").pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 58	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S14 59	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:48
S14 60	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:48
S14 61	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:48
S14 62	1	S1460 same S1461	USPAT	OR	OFF	2007/08/30 12:48
S14 63	81	provider near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:48
S14 64	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S14 65	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:48
S14 66	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 67	58483	"455"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:48
S14 68	239	S1467 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:48
S14 69	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S14 70	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 71	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:48
S14 72	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:48
S14 73	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:48
S14 74	1	S1472 same S1473	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 75	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S14 76	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 77	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 78	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 79	1	S1477 and S1478	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 80	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S14 81	123914	"455"/\$.ccls. "709"/\$.ccls. "370"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:48
S14 82	424	S1481 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:48
S14 83	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:48
S14 84	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S14 85	7189	S1484 same locations	USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S14 86	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 87	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 88	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 89	3	S1487 same S1488	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 90	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 91	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S14 92	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:48
S14 93	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:48
S14 94	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S14 95	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:48
S14 96	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S14 97	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:48
S14 98	45	request\$ near2 provid\$ near3 advantag\$	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S14 99	16	S1498 and (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S15 00	1	S1484 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:48
S15 01	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 02	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 03	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:48
S15 04	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 05	49	S1504 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 06	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S15 07	11	("5,920,698" "5,942,984" "6,003,074" "6,038,600" "6,061,505" "6,067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201,611").pn.	USPAT	OR	OFF	2007/08/30 12:48
S15 08	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:48
S15 09	0	S1508 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 10	0	S1508 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 11	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 12	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:48
S15 13	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:48
S15 14	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 15	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:48
S15 16	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:48
S15 17	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:48
S15 18	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 19	404634	network	USPAT	OR	ON	2007/08/30 12:48
S15 20	20	S1453 same network	USPAT	OR	ON	2007/08/30 12:48
S15 21	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 22	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 23	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:48
S15 24	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S15 25	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:48
S15 26	3	S1525 same mapping and wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 27	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 28	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:48
S15 29	0	"6845091".pn. and point near4 updat\$	USPAT	OR	ON	2007/08/30 12:48
S15 30	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:48
S15 31	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:48
S15 32	3	S1458 same S1531	USPAT	OR	ON	2007/08/30 12:48
S15 33	8	S1525 same mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 34	44	S1458 same S1519	USPAT	OR	ON	2007/08/30 12:48
S15 35	358	S1484 same locations same devices	USPAT	OR	ON	2007/08/30 12:48
S15 36	20	S1535 same network	USPAT	OR	ON	2007/08/30 12:48
S15 37	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:48
S15 38	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S15 39	7189	S1452 same locations	USPAT	OR	ON	2007/08/30 12:48
S15 40	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:48
S15 41	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:48
S15 42	3	S1540 same S1541	USPAT	OR	ON	2007/08/30 12:48
S15 43	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:48
S15 44	11	("5,548,583" "5,648,722" "5,594,731" "5,611,050" "5,659,596" "5,684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862,404").pn.	USPAT	OR	OFF	2007/08/30 12:48

## EAST Search History

S15 45	1	S1482 and service near3 provid\$ near3 request\$ and reference near point	USPAT	OR	ON	2007/08/30 12:48
S15 46	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 47	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:48
S15 48	12	S1547 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:48
S15 49	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:48
S15 50	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:48
S15 51	8	S1550 same mapping	USPAT	OR	OFF	2007/08/30 12:48
S15 52	23	S1550 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:48
S15 53	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:48
S15 54	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:48
S15 55	0	dynamic near mapping near wireless near device	USPAT	OR	ON	2007/08/30 12:48
S15 56	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 57	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:48
S15 58	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S15 59	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:48
S15 60	0	345/734.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 61	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 62	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:48
S15 63	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:48

## EAST Search History

S15 64	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	ON	2007/08/30 12:48
S15 65	22	(dynamic\$5 and mapp\$5 and wireless).ab. and dynamic\$5 and mapp\$5 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 66	11	S1565 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 67	11	S1566 and between	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 68	9	S1567 and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 69	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 70	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 71	438	S1570 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 72	17	S1571 and S1569	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 73	4	S1572 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 74	4	S1573 and device near5 locations and position	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 75	0	S1574 and (proximity position) near33 (provid\$5 request\$5) near33 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 76	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:49
S15 77	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 78	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 79	3	S1578 same S1577	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 80	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S15 81	44	S1540 same S1454	USPAT	OR	ON	2007/08/30 12:49

## EAST Search History

S15 82	1	"6845091".pn. and point near12 updat\$	USPAT	OR	ON	2007/08/30 12:49
S15 83	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 84	11	S1567 and reference	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 85	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:49
S15 86	9	S1468 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:49
S15 87	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 88	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49
S15 89	11	("5,920,698" "5,942,984" "6,003, 074" "6,038,600" "6,061,505" "6, 067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201, 611").pn.	USPAT	OR	OFF	2007/08/30 12:49
S15 90	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:49
S15 91	17	S1482 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:49
S15 92	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 93	1	S1460 same S1461	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S15 94	1408	S1587 and reference adj1 point	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S15 95	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:49
S15 96	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49
S15 97	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:49
S15 98	0	S1547 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:49
S15 99	0	dynamic near mapping with wirless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S16 00	49	S1478 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 01	23	S1525 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 02	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:49
S16 03	1228454	I and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 04	0	S1468 and service near3 provid\$ near3 request\$ and "709"/\$.ccls. and "370"/\$.ccls.	USPAT	OR	ON	2007/08/30 12:49
S16 05	0	S1547 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:49
S16 06	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 07	45	S1594 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 08	0	"6845091".pn. and point near4 updat\$ near6 dynamic\$	USPAT	OR	ON	2007/08/30 12:49
S16 09	38	(dynamic\$5 and map\$8 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 10	10	S1609 and (request\$5 provid\$5)	USPAT	OR	ON	2007/08/30 12:49
S16 11	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S16 12	61	S1525 and mapping	USPAT	OR	OFF	2007/08/30 12:49
S16 13	438	S1587 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 14	65747	request\$5 near3 service	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 15	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 16	3	S1613 and S1614 and S1615	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 17	0	S1616 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 18	17	S1613 and S1615	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 19	11	S1618 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49

## EAST Search History

S16 20	140	("3689882"   "4028662"   "4168499"   "4185265"   "4239415"   "4349823"   "4543577"   "4552456"   "4626850"   "4757450"   "4833469"   "4855915"   "5039979"   "5043736"   "5119504"   "5162997"   "5189612"   "5189619"   "5218620"   "5223844"   "5285523"   "5299132"   "5301368"   "5369588"   "5382957"   "5459667"   "5461365"   "5473538"   "5523950"   "5541590"   "5544225"   "5550551"   "5563607"   "5568390"   "5600561"   "5602739"   "5610821"   "5621793"   "5625668"   "5630206"   "5633872"   "5638078"   "5646612"   "5668880"   "5673305"   "5678182"   "5684860"   "5687215"   "5689269"   "5691724"   "5701328"   "5760713"   "5774827"   "5838237"   "5845227"   "5862509"   "5914654"   "5916300"   "5955973"   "5983158"   "5987381").PN. OR ("6252544"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S16 21	1	S1620 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S16 22	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 23	438	S1622 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 24	0	S1525 and mapping same wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 25	1	S1620 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:49
S16 26	36	S1620 and proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:49
S16 27	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 28	17	S1623 and S1627	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49

## EAST Search History

S16 29	4	S1628 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 30	4	S1628 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 31	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 32	438	S1631 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 33	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 34	17	S1632 and S1633	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 35	0	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 stor	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 36	0	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 (stor\$4 memory) near12 updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 37	4	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 38	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 39	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:49
S16 40	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:49
S16 41	1970	location\$ near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:49
S16 42	3	S1641 same S1640	USPAT	OR	ON	2007/08/30 12:49
S16 43	404634	network	USPAT	OR	ON	2007/08/30 12:49

## EAST Search History

S16 44	44	S1641 same S1643	USPAT	OR	ON	2007/08/30 12:49
S16 45	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:49
S16 46	358	S1645 same locations same devices	USPAT	OR	ON	2007/08/30 12:49
S16 47	20	S1646 same network	USPAT	OR	ON	2007/08/30 12:49
S16 48	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 49	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 50	3	S1649 same S1648	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 51	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:49
S16 52	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:49
S16 53	11	("5,920,698" "5,942,984" "6,003,074" "6,038,600" "6,061,505" "6,067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201,611").pn.	USPAT	OR	OFF	2007/08/30 12:49
S16 54	0	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 55	0	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 56	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 57	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:49
S16 58	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S16 59	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:49
S16 60	4	S1468 and service near provid\$ near request\$	USPAT	OR	ON	2007/08/30 12:49
S16 61	4	S1634 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5 same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 62	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 63	4	S1637 and device near5 locations	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 64	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:49
S16 65	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:49
S16 66	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 67	438	S1666 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 68	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 69	45	request\$ near2 provid\$ near3 advantag\$	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 70	17	S1667 and S1668	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 71	4	S1670 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 72	4	S1671 and device near5 locations and position	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 73	0	S1672 and (proximity position) near6 (provid\$5 request\$5) near12 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 74	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S16 75	0	S1672 and (proximity position) near33 (provid\$5 request\$5) near33 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 76	4	S1672 and (proximity position) same (provid\$5 request\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 77	0	S1672 and (proximity position) near60 (provid\$5 request\$5) near60 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 78	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:49
S16 79	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:49
S16 80	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:49
S16 81	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 82	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 83	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 84	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:49
S16 85	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 86	2267	701/201,208.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 87	49	S1686 and map\$5 near dynamic\$5	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 88	664	provid\$ near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:49
S16 89	27	S1686 and map\$5 near dynamic\$5	USPAT	OR	OFF	2007/08/30 12:49
S16 90	7	S1689 and reference near point	USPAT	OR	OFF	2007/08/30 12:49
S16 91	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:49
S16 92	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:49
S16 93	0	dynamic near mapping with wirless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S16 94	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S16 95	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 96	1	S1695 and S1694	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S16 97	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:49
S16 98	1	S1645 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:49
S16 99	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:49
S17 00	61	S1699 and mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 01	3	S1699 same mapping and wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 02	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 03	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 04	438	S1703 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 05	17	S1704 and S1702	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 06	0	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 (stor\$4 memory) near12 updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 07	11	("5,548,583" "5,648,722" "5,594, 731" "5,611,050" "5,659,596" "5, 684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862, 404").pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 08	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 09	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 10	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:49
S17 11	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S17 12	1	S1711 same S1710	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 13	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49
S17 14	0	"6845091".pn. and point near4 updat\$ near6 dynamic\$	USPAT	OR	ON	2007/08/30 12:49
S17 15	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 16	1	S1472 same S1473	USPAT	OR	OFF	2007/08/30 12:49
S17 17	0	"6845091".pn. and point near4 updat\$	USPAT	OR	ON	2007/08/30 12:49
S17 18	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:49
S17 19	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 20	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 21	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 22	46169	reference adj2 point	USPAT	OR	ON	2007/08/30 12:49
S17 23	358	S1722 same locations same devices	USPAT	OR	ON	2007/08/30 12:49
S17 24	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S17 25	140	("3689882"   "4028662"   "4168499"   "4185265"   "4239415"   "4349823"   "4543577"   "4552456"   "4626850"   "4757450"   "4833469"   "4855915"   "5039979"   "5043736"   "5119504"   "5162997"   "5189612"   "5189619"   "5218620"   "5223844"   "5285523"   "5299132"   "5301368"   "5369588"   "5382957"   "5459667"   "5461365"   "5473538"   "5523950"   "5541590"   "5544225"   "5550551"   "5563607"   "5568390"   "5600561"   "5602739"   "5610821"   "5621793"   "5625668"   "5630206"   "5633872"   "5638078"   "5646612"   "5668880"   "5673305"   "5678182"   "5684860"   "5687215"   "5689269"   "5691724"   "5701328"   "5760713"   "5774827"   "5838237"   "5845227"   "5862509"   "5914654"   "5916300"   "5955973"   "5983158"   "5987381").PN. OR ("6252544"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S17 26	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 27	1	S1725 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S17 28	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 29	1647	(location and wireless).ab.	USPAT	OR	OFF	2007/08/30 12:49
S17 30	61	S1550 and mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 31	12	S1508 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:49
S17 32	50	S1467 and depict\$ near3 locations	USPAT	OR	OFF	2007/08/30 12:49
S17 33	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 34	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:49
S17 35	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S17 36	8	S1699 same mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 37	23	S1699 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 38	1	"6845091".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 39	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 40	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:49
S17 41	1	S1722 same locations near3 network near device\$	USPAT	OR	ON	2007/08/30 12:49
S17 42	123914	"455"/\$.ccls. "709"/\$.ccls. "370"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:49
S17 43	424	S1742 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:49
S17 44	1	S1743 and service near3 provid\$ near3 request\$ and reference near point	USPAT	OR	ON	2007/08/30 12:49
S17 45	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 46	58483	"455"/\$.ccls.	USPAT	OR	OFF	2007/08/30 12:49
S17 47	0	S1699 and mapping same wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 48	0	S1678 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 49	50	S1746 and depict\$ near3 locations	USPAT	OR	OFF	2007/08/30 12:49
S17 50	0	S1574 and (proximity position) near60 (provid\$5 request\$5) near60 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 51	14577	709/223,225,226,229,239,242.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 52	239	S1746 and depict\$ near3 locations	USPAT	OR	ON	2007/08/30 12:49
S17 53	4	S1752 and service near provid\$ near request\$	USPAT	OR	ON	2007/08/30 12:49
S17 54	7189	S1645 same locations	USPAT	OR	ON	2007/08/30 12:49
S17 55	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 56	0	S1678 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S17 57	1	dynamic\$3 near3 map\$3 near3 wireless and dynamic\$3 and updat\$3	USPAT	OR	OFF	2007/08/30 12:49
S17 58	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 59	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 60	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 61	12	S1678 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:49
S17 62	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:49
S17 63	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:49
S17 64	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 65	1	"6826162".pn.	USPAT	OR	OFF	2007/08/30 12:49
S17 66	49	S1694 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 67	1	S1711 same S1710	USPAT	OR	OFF	2007/08/30 12:49
S17 68	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 69	145	locations near5 reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49
S17 70	7189	S1722 same locations	USPAT	OR	ON	2007/08/30 12:49
S17 71	170	(physical adj network) same (logical adj network)	USPAT	OR	OFF	2007/08/30 12:49
S17 72	61	S1771 and mapping	USPAT	OR	OFF	2007/08/30 12:49
S17 73	18625	709/223,225,226,229,239,242.ccls. 455/456.1,456.3,461.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 74	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 75	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 76	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 77	33558	reference adj1 point	USPAT	OR	OFF	2007/08/30 12:49

## EAST Search History

S17 78	1	"6845091".pn. and point near12 updat\$	USPAT	OR	ON	2007/08/30 12:49
S17 79	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:49
S17 80	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:49
S17 81	1	S1725 and relative adj2 proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:49
S17 82	57	locations near2 network adj2 devices	USPAT	OR	OFF	2007/08/30 12:49
S17 83	1	S1777 same S1782	USPAT	OR	OFF	2007/08/30 12:49
S17 84	1	locations near5 reference adj1 point near6 network	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:49
S17 85	9	S1752 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:49
S17 86	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S17 87	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:49
S17 88	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:49
S17 89	17	S1743 and service near3 provid\$ near3 request\$	USPAT	OR	ON	2007/08/30 12:49
S17 90	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:49
S17 91	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:49
S17 92	16	S1669 and (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:49
S17 93	23	request\$ near2 provid\$ near3 advantag\$	USPAT	OR	ON	2007/08/30 12:49
S17 94	6	"015097".ap.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S17 95	16	dynamic with mapping with wireless	USPAT	OR	ON	2007/08/30 12:50
S17 96	15	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	USPAT	OR	OFF	2007/08/30 12:50

## EAST Search History

S17 97	0	S1752 and service near3 provid\$ near3 request\$ and "709"/\$.ccls. and "370"/\$.ccls.	USPAT	OR	ON	2007/08/30 12:50
S17 98	81	provider near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:50
S17 99	27	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near6 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 00	49	S1773 and dynamic near mapping	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 01	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 02	23	(location and wireless and provid\$ near information).ab.	USPAT	OR	OFF	2007/08/30 12:50
S18 03	5	physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:50
S18 04	12	S1729 and determin\$ near2 distance near3 direction	USPAT	OR	OFF	2007/08/30 12:50
S18 05	8	S1771 same mapping	USPAT	OR	OFF	2007/08/30 12:50
S18 06	404634	network	USPAT	OR	ON	2007/08/30 12:50
S18 07	44	S1590 same S1806	USPAT	OR	ON	2007/08/30 12:50
S18 08	2	dynamic\$3 near3 map\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 09	9	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and dynamic\$3 and locat\$3 near3 service\$3	USPAT	OR	OFF	2007/08/30 12:50
S18 10	23	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3 and (path\$3 distance\$3 direction\$3) and dynamic\$3 and wir\$6	USPAT	OR	OFF	2007/08/30 12:50
S18 11	30	dynamic\$3 near3 wireless and reference adj point	USPAT	OR	OFF	2007/08/30 12:50
S18 12	11	("5,920,698" "5,942,984" "6,003, 074" "6,038,600" "6,061,505" "6, 067,093" "6,084,867" "6,108,702" "6,151,624" "6,151,631" "6,201, 611").pn.	USPAT	OR	OFF	2007/08/30 12:50
S18 13	16	709/223,225,226,229,239,242.ccls. and dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 14	20	S1723 same network	USPAT	OR	ON	2007/08/30 12:50

## EAST Search History

S18 15	7	("5528248"   "6041183"   "6195589"   "6256129"   "6411899").PN. OR ("6732195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:50
S18 16	4	locations near5 reference adj1 point and network near3 devices	USPAT	OR	OFF	2007/08/30 12:50
S18 17	12568	network adj1 device\$	USPAT	OR	ON	2007/08/30 12:50
S18 18	13	dynamic\$3 near3 wireless and reference adj point and updat\$3 and locat\$6 near12 service\$3	USPAT	OR	OFF	2007/08/30 12:50
S18 19	3	S1590 same S1817	USPAT	OR	ON	2007/08/30 12:50
S18 20	14	wireless near network near2 mapping	USPAT	OR	OFF	2007/08/30 12:50
S18 21	50259	reference adj1 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 22	162	locations near2 network adj2 devices	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 23	3	S1822 same S1821	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 24	35	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and updat\$3	USPAT	OR	OFF	2007/08/30 12:50
S18 25	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 26	1228454	I and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 27	4	dynamic with mapping with wireless with device	USPAT	OR	ON	2007/08/30 12:50
S18 28	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995.28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 29	16942	(provid\$5 and request\$5) near4 (service resource)	USPAT	OR	ON	2007/08/30 12:50
S18 30	8003	701/207-223.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 31	4	S1830 and S1609	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 32	13	S1609 and (request\$5 provid\$5 transmit\$5 send sent sending)	USPAT	OR	ON	2007/08/30 12:50
S18 33	38	S1609 and (request\$5 provid\$5 transmit\$5 send sent sending)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50

## EAST Search History

S18 34	0	(provid\$5 and rquest\$5) near4 (service resource)	USPAT	OR	ON	2007/08/30 12:50
S18 35	33	("5359603"   "5406550"   "5438565"   "5487065"   "5553069"   "5600633").PN. OR ("5787077"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:50
S18 36	2655	(physical and logical) near12 mapp\$8	USPAT	OR	ON	2007/08/30 12:50
S18 37	0	S1836 and S1835	USPAT	OR	ON	2007/08/30 12:50
S18 38	30808	proximity near6 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 39	65747	request\$5 near3 service	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 40	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 41	22	(dynamic\$5 and mapp\$5 and wireless).ab. and dynamic\$5 and mapp\$5 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 42	11	S1841 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 43	11	S1842 and between	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 44	9	S1843 and referr\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 45	11	S1843 and reference	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 46	438	S1840 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 47	17	S1846 and S1838	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 48	11	S1847 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 49	36	S1725 and proximity	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/30 12:50
S18 50	30187	709/223,225,226,229,239,242.ccls. or 455/446,447,456.1-457.ccls. or 342/357.01,357.13.ccls. or 701/207-223.ccls. or 340/988-995. 28.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 51	438	S1850 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50

## EAST Search History

S18 52	0	dynamic near mapping near wireless near device	USPAT	OR	ON	2007/08/30 12:50
S18 53	3	"959197".ap.	USPAT	OR	OFF	2007/08/30 12:50
S18 54	3	S1846 and S1839 and S1838	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 55	17	S1851 and S1728	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 56	4	S1855 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 57	4	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 58	11	("5,548,583" "5,648,722" "5,594, 731" "5,611,050" "5,659,596" "5, 684,959" "5,687,320" "5,790,536" "5,793,975" "6,812,865" "5,862, 404").pn.	USPAT	OR	OFF	2007/08/30 12:50
S18 59	504	dynamic\$3 near3 wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 60	52	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 61	1	S1777 same S1782	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 62	7913	709/223,225,226,229,239,242.ccls.	USPAT	OR	OFF	2007/08/30 12:50
S18 63	1967	locations near6 reference adj2 point	USPAT	OR	ON	2007/08/30 12:50
S18 64	1151	network near2 mapping	USPAT	OR	OFF	2007/08/30 12:50
S18 65	1	"6910062".pn.	USPAT	OR	OFF	2007/08/30 12:50
S18 66	4	S1857 and device near5 locations	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 67	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:50
S18 68	21	dynamic near mapping with (wireless mobile)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 69	10	dynamic near mapping with (wireless mobile)	USPAT	OR	ON	2007/08/30 12:50

## EAST Search History

S18 70	23	S1771 and mapping and wireless	USPAT	OR	OFF	2007/08/30 12:50
S18 71	22	(dynamic\$5 and mapp\$5 and wireless).ab.	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 72	1	"20030080992"	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 73	2246	(physical and logical) near6 mapp\$8	USPAT	OR	ON	2007/08/30 12:50
S18 74	13	S1835 and S1829	USPAT	OR	ON	2007/08/30 12:50
S18 75	0	(dynamic\$5 near12 map\$8 near12 wireless) and S1873	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 76	12896	(physical logical) near12 mapp\$8	USPAT	OR	ON	2007/08/30 12:50
S18 77	8	S1835 and S1876	USPAT	OR	ON	2007/08/30 12:50
S18 78	214	(dynamic\$5 and map\$8 and wireless) and S1873	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 79	44	(dynamic\$5 near3 map\$8) and S1878	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 80	213	S1830 and S1829	USPAT	OR	ON	2007/08/30 12:50
S18 81	3	(dynamic\$5 near12 map\$8 near12 wireless) and S1880	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 82	0	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 83	0	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 near12 stor	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 84	0	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and (map\$5 near32 (stor\$4 memory) near32 updat\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 85	1408	S1840 and reference adj1 point	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 86	45	S1885 and dynamic\$5 near3 map\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50

## EAST Search History

S18 87	4	S1855 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5)	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 88	4	S1705 and wireless and proximity and highligh\$5 and device and (audi\$5 visual\$5 indicat\$5) and (dynamic\$5 automatic\$5) and map\$5 same (stor\$4 memory) same updat\$5 same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 89	4	S1574 and (proximity position) same (provid\$5 request\$5) same device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 90	17	("20010045949"   "20030229441"   "6038559"   "6107944"   "6233518"   "6282489"   "6314369"   "6320518"   "6347278"   "6381535").PN. OR ("6917878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/30 12:50
S18 91	2408	S1829 and S1828	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 92	2	S1831 and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 93	189376	"35" and request\$5	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S18 94	0	"20030080992"	USPAT	OR	ON	2007/08/30 12:50
S18 95	3	(dynamic\$5 near12 map\$8 near12 wireless) and S1891	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S18 96	1245	plurality near3 devices near6 request\$5	USPAT	OR	ON	2007/08/30 12:50
S18 97	2901	plurality near3 devices near6 provid\$5	USPAT	OR	ON	2007/08/30 12:50
S18 98	62	S1896 same S1897	USPAT	OR	ON	2007/08/30 12:50
S18 99	4	(dynamic\$5 and map\$8 and wireless) and S1898	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S19 00	9	S1896 and dynamic\$5 near5 map\$8	USPAT	OR	ON	2007/08/30 12:50
S19 01	1	S1900 and S1897	USPAT	OR	ON	2007/08/30 12:50
S19 02	44	(dynamic\$5 near3 map\$8) and S1878	USPAT	OR	ON	2007/08/30 12:50
S19 03	0	S1854 and wireless	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S19 04	0	S1729 and physical adj network near mapping	USPAT	OR	OFF	2007/08/30 12:50

## EAST Search History

S19 05	0	S1729 and physical adj network near4 mapping	USPAT	OR	OFF	2007/08/30 12:50
S19 06	0	345/734.ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S19 07	0	S1574 and (proximity position) near6 (provid\$5 request\$5) near12 device	US-PGPUB; USPAT	OR	ON	2007/08/30 12:50
S19 08	31	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless and location\$3 near12 point	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S19 09	1	"6,216,087".pn.	USPAT	OR	OFF	2007/08/30 12:50
S19 10	664	provid\$ near3 advantag\$ same (wireless mobile)	USPAT	OR	ON	2007/08/30 12:50
S19 11	2	depict\$ near3 locations near6 reference adj point	USPAT	OR	ON	2007/08/30 12:50
S19 12	120	709/223,225,226,229,239,242.ccls. and dynamic\$3 near12 wireless	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:50
S19 13	23	request\$ near2 provid\$ near3 advantag\$	USPAT	OR	ON	2007/08/30 12:50